

1. Course Description

COURSE DESCRIPTION FORM																													
Course Code and Title	KM 461 FACTORY ORGANIZATION																												
Course Semester	7																												
Catalog Description (Content) of the Course	General information about a factory establishment. Plant layout. Material handling. Work audit and planning. Quality control. Financial management. Wage and salary administration.																												
Main Textbook	Amrine, H.T., Ritchey, J.A., Hulley, O.S., "Manufacturing Organization and Management" Prentice-Hall, 1992.																												
Supporting Textbooks	- Özkan, N., "Fabrika Organizasyonu ve Yönetimi", Seçkin Yayıncılık, 2015. - Karayalçın, İ., "Fabrika Organizasyonu" Çağlayan Kitabevi, 1984. - Aksöz, İ., "Fabrika Organizasyonu ve Yönetimi" Ege Üniversitesi Basımevi, 1987.																												
Course Credit (ECTS)	4																												
Prerequisites of the Course (Compulsory attendance should be indicated here.)	There is no prerequisite or co-requisite for this course.																												
Type of the Course	Compulsory																												
Instruction Language of the Course	Turkish																												
Object and Target of the Course	To inform the students about the technical, economic, social and financial factors that are effective in the establishment and operation of a plant.																												
Learning Outcomes of the Course	Decisions about the planning, organization and management in the working life of the graduates are more optimal and rational in their decisions and applications.																												
Mode of Delivery	The mode of delivery of this course is Face to face																												
Weekly Schedule of the Course	<table> <tr><td>1. Week</td><td>General information about factory establishment</td></tr> <tr><td>2. Week</td><td>General information about factory establishment</td></tr> <tr><td>3. Week</td><td>Placement and arrangement of factories</td></tr> <tr><td>4. Week</td><td>Placement and arrangement of factories</td></tr> <tr><td>5. Week</td><td>Material handling</td></tr> <tr><td>6. Week</td><td>Material handling</td></tr> <tr><td>7. Week</td><td>Material handling</td></tr> <tr><td>8. Week</td><td>Project survey and planning</td></tr> <tr><td>9. Week</td><td>Project survey and planning</td></tr> <tr><td>10. Week</td><td>Quality Control</td></tr> <tr><td>11. Week</td><td>Quality Control</td></tr> <tr><td>12. Week</td><td>Budgeting and cost</td></tr> <tr><td>13. Week</td><td>Wage management</td></tr> <tr><td>14. Week</td><td>Wage management</td></tr> </table>	1. Week	General information about factory establishment	2. Week	General information about factory establishment	3. Week	Placement and arrangement of factories	4. Week	Placement and arrangement of factories	5. Week	Material handling	6. Week	Material handling	7. Week	Material handling	8. Week	Project survey and planning	9. Week	Project survey and planning	10. Week	Quality Control	11. Week	Quality Control	12. Week	Budgeting and cost	13. Week	Wage management	14. Week	Wage management
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Educative Activities <i>(Credit will be determined based on the time given for these activities. Should be filled carefully.)</i>	Theoretical Study Hours of Course Per Week Reading Searching in Internet and Library Mid-Term and Studying for Mid-Term Final and Studying for Final				
Assessment Criteria		Quantity	Total Contribution (%)		
	Midterm	2	60		
	Homework				
	Assignment				
	Projects				
	Practice				
	Quiz				
	Contribution of In-term Studies to Overall Grade		60		
	Contribution of Final Examination to Overall Grade		40		
Workload of the Course		Activity	Total Week Count	Weekly Duration (in hour)	Total Workload in Semester
		Theoretical Study Hours of Course Per Week	14	3	42
		Reading	10	1	10
		Searching in Internet and Library	12	1	12
		Mid-Term and Studying for Mid-Term	2	8	16
		Final and Studying for Final	1	8	8
		Total work load			88
		Total work load/25			3.52
		ECTS of the course			4
Course's Contribution To Program	Number	Program Outcomes			1 2 3 4 5
	1	Adequate knowledge in mathematics, science and engineering subjects pertaining to the relevant discipline; ability to use theoretical and applied information in these areas and solve engineering problems.			X
		Ability to identify, formulate, and solve complex engineering problems; ability to select and apply proper analysis and modeling methods for this purpose.			X
	3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design methods for this purpose.			X
	4	Ability to devise, select, and use modern techniques and tools needed for engineering practice; ability to employ information technologies effectively.			X
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating engineering problems.			X
	6	Ability to work efficiently in intra-disciplinary teams.			X

	7	Ability to work efficiently in multi-disciplinary teams;	X				
	8	Ability to work individually.	X				
	9	Ability to communicate effectively in Turkish/English, both orally and in writing; Ability to write effective reports and comprehend written reports, make effective presentations,			X		
	10	prepare design and production reports, give and receive clear and intelligible instructions.	X				
	11	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.					X
	12	Awareness of professional and ethical responsibility.					X
	13	Information about business life practices such as project management, risk management, and change management.			X		
	14	Information about awareness of entrepreneurship, innovation, and sustainable development.	X				
	15	Knowledge about contemporary issues and the global and societal effects of engineering practices on health, environment, and safety.					X
	16	Knowledge about awareness of the legal consequences of engineering solutions.	X				
	17	Knowledge on standards used in engineering practice.	X				
Name of Lecturer(s) and Contact Information		1. Name-Surname of Lecturers E-mail address 2. 3.					